

Bolt-type screw terminals WF 10

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
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Product image



Klippon® Connect with stud Technology

Our stud terminals are an established, robust connection alternative for particularly harsh environments. The extensive accessories and quality workmanship ensure high productivity in planning and installation – and sustainable safety in operation..

General ordering data

Type	WF 10
Order No.	1780870000
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 120 mm ² , Threaded stud connection
GTIN (EAN)	4032248219353
Qty.	20 pc(s).

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Technical data**Dimensions and weights**

Width	33.8 mm	Width (inches)	1.331 inch
Height	67 mm	Height (inches)	2.638 inch
Depth	72.5 mm	Depth (inches)	2.854 inch
Net weight	85.3 g		

Temperatures

Storage temperature, max.	40 °C	Storage temperature, min.	10 °C
Storage temperature	10 °C...40 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Single-stud terminals	End cover plate required	No
Number of levels	1	Number of clamping points per level	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35		

Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	Open	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	200039-1244019	Current size C (CSA)	320 A
Voltage size C (CSA)	1000 V	Wire cross section max. (CSA)	250 kcmil
Wire cross section min. (CSA)	10 AWG		

Conductors for clamping (rated connection)

2 x cable lugs DIN 46 234	6 to 120 mm ²	2 x cable lugs DIN 46 235	10...95 mm ²
Cable lug to DIN 46234	6...120 mm ²	Cable lug to DIN 46235	10...95 mm ²
Clamping range, max.	120 mm ²	Clamping range, min.	6 mm ²
Number of connections	1	Stud size for spade connection	M 10
Tightening torque, max.	20 Nm	Tightening torque, min.	10 Nm
Type of connection	Threaded stud connection		

Rating data

Rated cross-section	120 mm ²	Rated voltage	1,000 V
Voltage with epoxy resin partition plate	2,300 V	Rated current	269 A
Current at maximum wires	269 A	Volume resistance according to IEC 60947-7-x	0.12 mΩ
Power loss in accordance with IEC 60947-7-x	8.61 W	Rated impulse withstand voltage	8 kV
Impulse voltage with epoxy resin partition plate	12 kV	Pollution severity	3

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Catalogue status 06.12.2019 / We reserve the right to make technical changes.

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Technical data
Stud connection

2 x cable lugs DIN 46 234	6 to 120 mm ²	2 x cable lugs DIN 46 235	10...95 mm ²
Cable lug to DIN 46234	6...120 mm ²	Cable lug to DIN 46235	10...95 mm ²
Impulse voltage with epoxy resin partition plate	12 kV	Stud size for spade connection	M 10
Tightening torque, max.	20 Nm	Tightening torque, min.	10 Nm
Voltage with epoxy resin partition plate	2,300 V		

UL rating data

Certificate No. (UR)	E60693	Certificate No. (cURus)	E60693
Conductor size Factory wiring max. (UR)	250 kcmil	Conductor size Factory wiring min. (UR)	10 AWG
Current size B (UR)	255 A	Current size C (UR)	255 A
Voltage size B (UR)	1000 V	Voltage size C (UR)	1000 V

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20
eClass 10.0	27-14-11-20	UNSPSC	30-21-18-01

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	CB Test Certificate CB Certificate DE_PT1004_20160418_837_ISSUE01.pdf
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	StorageConditionsTerminalBlocks

Safety note

 Safety notice [Safety Information](#)

Data sheet

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Drawings

